

# MarÃ-ia C V Mateus

## List of Publications by Year in descending order

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32  
papers

553  
citations

687363

13  
h-index

642732

23  
g-index

33  
all docs

33  
docs citations

33  
times ranked

721  
citing authors

#	ARTICLE	IF	CITATIONS
1	An overview on the development of a bio-artificial pancreas as a treatment of insulin-dependent diabetes mellitus. <i>Medicinal Research Reviews</i> , 2006, 26, 181-222.	10.5	73
2	Microporous hollow fibres for carbon dioxide absorption: mass transfer model fitting and the supplying of carbon dioxide to microalgal cultures. <i>Journal of Chemical Technology and Biotechnology</i> , 1998, 71, 61-70.	3.2	48
3	Degradation of phenol by immobilized cells of <i>Fusarium flocciferum</i> . <i>Biotechnology Letters</i> , 1985, 7, 889-894.	2.2	46
4	Assessment of saccharide fractionation by ultrafiltration and nanofiltration. <i>Journal of Membrane Science</i> , 2008, 312, 34-40.	8.2	41
5	Tailoring the enzymatic synthesis and nanofiltration fractionation of galacto-oligosaccharides. <i>Biochemical Engineering Journal</i> , 2010, 50, 29-36.	3.6	40
6	Development of a polysulfone hollow fiber vascular bio-artificial pancreas device for in vitro studies. <i>Journal of Biotechnology</i> , 2009, 139, 236-249.	3.8	31
7	Horseradish Peroxidase Immobilized Through Its Carboxylic Groups onto a Polyacrylonitrile Membrane: Comparison of Enzyme Performances with Inorganic Beaded Supports. <i>Applied Biochemistry and Biotechnology</i> , 2003, 110, 1-10.	2.9	27
8	Macroalgae as Protein Sources – A Review on Protein Bioactivity, Extraction, Purification and Characterization. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7969.	2.5	26
9	Micro-analytical GO/HRP bioreactor for glucose determination and bioprocess monitoring. <i>Biosensors and Bioelectronics</i> , 2005, 20, 1955-1961.	10.1	24
10	Monoclonal Antibodies Production Platforms: An Opportunity Study of a Non-Protein Chromatographic Platform Based on Process Economics. <i>Biotechnology Journal</i> , 2017, 12, 1700260.	3.5	23
11	Improvement of Aroma and Shelf-Life of Non-alcoholic Beverages Through Cyclodextrins-Limonene Inclusion Complexes. <i>Food and Bioprocess Technology</i> , 2017, 10, 1297-1309.	4.7	22
12	Hydrophobic interaction membrane chromatography for plasmid DNA purification: Design and optimization. <i>Journal of Separation Science</i> , 2010, 33, 1175-1184.	2.5	20
13	Operation Regimes: A Comparison Based on <i>Nannochloropsis oceanica</i> Biomass and Lipid Productivity. <i>Energies</i> , 2021, 14, 1542.	3.1	14
14	Design and characterization of plasmids encoding antigenic peptides of Aha1 from <i>Aeromonas hydrophila</i> as prospective fish vaccines. <i>Journal of Biotechnology</i> , 2017, 241, 116-126.	3.8	13
15	Optimization of saccharide fractionation using nanofiltration/ultrafiltration. <i>Desalination</i> , 2006, 199, 337-339.	8.2	12
16	Polishing of monoclonal antibodies streams through convective flow devices. <i>Separation and Purification Technology</i> , 2014, 132, 593-600.	7.9	12
17	Grafting hydrophobic and affinity interaction ligands on membrane adsorbers: A close-up view by X-ray photoelectron spectroscopy. <i>Separation and Purification Technology</i> , 2012, 93, 75-82.	7.9	11
18	Comparison between microfluidic tangential flow nanofiltration and centrifugal nanofiltration for the concentration of small-volume samples. <i>Journal of Membrane Science</i> , 2019, 578, 27-35.	8.2	11

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19	Development of a phenyl membrane chromatography-based process yielding pharmaceutical grade plasmid deoxyribonucleic acid for mammalian cells transfection. <i>Journal of Chromatography A</i> , 2014, 1337, 67-74.	3.7	8
20	Recovery of 6-?-methylprednisolone from biotransformation medium by tangential flow filtration. <i>Bioprocess and Biosystems Engineering</i> , 1989, 4, 169-174.	0.5	7
21	Impact of plasmid size on the purification of model plasmid DNA vaccines by phenyl membrane adsorbers. <i>Journal of Chromatography A</i> , 2013, 1315, 145-151.	3.7	7
22	Steroid recovery by a rotary membrane system. <i>Biotechnology Letters</i> , 1991, 5, 43-48.	0.5	6
23	Modeling membrane filtration of protein and cell suspensions in a vortex flow filtration system. <i>AIChE Journal</i> , 1995, 41, 764-772.	3.6	6
24	Microfiltration of cutinase and <i>Escherichia coli</i> cell fragment suspensions. <i>Journal of Membrane Science</i> , 2002, 207, 171-187.	8.2	6
25	Purification of monoclonal antibodies in a stirred cell with polyethyleneimineâ€modified polyethersulfone ultrafiltration membrane. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 3548-3558.	3.2	6
26	Membrane Bioreactor for Simultaneous Synthesis and Fractionation of Oligosaccharides. <i>Membranes</i> , 2022, 12, 171.	3.0	6
27	Centrifugal nanofiltration for small-volume samples. <i>Journal of Membrane Science</i> , 2017, 540, 411-421.	8.2	3
28	Preparation of liposome membrane adsorbers and testing for plasmid purification. <i>Biochemical Engineering Journal</i> , 2015, 93, 1-10.	3.6	2
29	Application of Factorial Design to Microfiltration Performance. <i>Chemical Engineering Research and Design</i> , 2003, 81, 271-276.	5.6	1
30	Membrane chromatography for therapeutic DNA production: Adsorption membranes development. , 2011, , .		0
31	Liposome Derived Membrane Adsorber for Purification of Nucleic Acids. <i>Procedia Engineering</i> , 2012, 44, 1463-1464.	1.2	0
32	Toward Therapeutic Plasmids Purification by Hydrophobic Interaction Membrane Chromatography. <i>Procedia Engineering</i> , 2012, 44, 946-947.	1.2	0